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Datasheet for ABIN710366  
**anti-MAP4K4 antibody (pSer631)**

### Overview

Quantity:	100 µL
Target:	MAP4K4
Binding Specificity:	pSer631
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP4K4 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MAP4K4 around the phosphorylation site of Ser631
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	MAP4K4
Alternative Name:	MAP4K4 ( <a href="#">MAP4K4 Products</a> )

## Target Details

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**Background:** Synonyms: MAP4K4phospho S631, Hepatocyte progenitor kinase like/germinal center kinase like kinase, HGK, HPK/GCK like kinase, HPK/GCK like kinase HGK, KIAA0687, MAPK/ERK kinase kinase kinase 4, MEK kinase kinase 4, MEKKK 4, MEKKK4, Mitogen activated protein kinase kinase kinase 4, Nck interacting kinase, NIK.

Background: MAP4K4 (Mitogen-activated protein kinase kinase kinase 4) belongs to the serine/threonine protein kinase family and specifically activates MAPK8/JNK. It may play a role in the response to environmental stress and is thought to function through the MAP3K7-MAP2K4-MAP2K7 kinase cascade, and mediate the TNF alpha signaling pathway. It interacts with the SH3 domain of the adapter protein Nck. MAP4K4-dependent signaling inhibits PPARG responsive gene expression, adipogenesis, and insulin stimulated glucose transport.

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**Gene ID:** 9448

## Application Details

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**Application Notes:** ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** 4 °C, -20 °C

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**Storage Comment:** Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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**Expiry Date:** 12 months